

CLAIMS: I claim:

1. A process for removing particulates from a gas stream comprising the steps of:
 - a) increasing the relative humidity of said gas stream, and
 - b) compelling said gas stream to interact with a solid surface.
2. The process of Claim 1 wherein said solid surface is inside an enclosure.
3. The process of Claims 1 and 2 wherein said enclosure has an inlet means for admitting said gas stream into said enclosure.
4. The process of Claims 1 and 2 wherein said enclosure has an outlet means for allowing said gas stream to exit said enclosure.
5. The process of Claim 1 wherein said solid surface is cooled by a cooling means to keep the temperature of said solid surface from exceeding the dew point temperature of said gas stream.
6. The process of Claim 1 wherein said solid surface is cleaned of condensate and collected particulates by a cleaning means.